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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/800,006	03/06/2001	James C. Rush	STE01 P-1086	5256
277 7590 01/23/2007 PRICE HENEVELD COOPER DEWITT & LITTON, LLP		EXAM	EXAMINER	
695 KENMOOR, S.E.			HORTON, YVONNE MICHELE	
P O BOX 2567 GRAND RAPIDS.	MI 40501		ART UNIT PAPER NUMBER 3635	
GRAND RAFIDS,	WII 49301			
SHORTENED STATUTORY PE	RIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MONTH	· · · · · · · · · · · · · · · · · · ·	01/23/2007:	PAF	PER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

· ·	Application No.	Applicant(s)				
	09/800,006	RUSH ET AL.	÷			
Office Action Summary	Examiner	Art Unit				
	Yvonne M. Horton	3635				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).	•			
Status .						
1) Responsive to communication(s) filed on 31 O	october 2006.	•				
,	action is non-final.	·				
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) 30-34,76,78,79,82-87,89,94,100-107	,109-130 and 132-145 is/are pend	ling in the application.				
4a) Of the above claim(s) is/are withdra	wn from consideration.					
5) Claim(s) 30-34,76,78,79,82-87,89,94,100-107	<u>,109-130 and 132-145</u> is/are allow	ved.				
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	to the second					
8) Claim(s) are subject to restriction and/c	or election requirement.					
Application Papers						
9)⊠ The specification is objected to by the Examine						
10) \boxtimes The drawing(s) filed on $03/06/01$ is/are: a) \square accepted or b) \boxtimes objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct).			
11) The oath or declaration is objected to by the E	xaminer. Note the attached Office	ACTION OF TOTAL				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list 	ts have been received. ts have been received in Applicat prity documents have been receiv nu (PCT Rule 17:2(a)).	ion No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal C 6) Other:		·			

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DETAILED ACTION

Status of the Claims

In response to the applicant's amendments received 10/31/06, claims 1-29, 35-75,77,80,81,88,90-93,95-99,108 and 131 have been cancelled and an examination of pending claims 30-34,76,78,79,82-87,89,94,100-107,109-130 and 132-145 follows.

Drawings

The drawings are objected to because they fail to clearly identify the "triangular spaces defined between adjacent flanges". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: there is no support in the specification for the triangular shaped spaces defined between adjacent flanges.

Allowable Subject Matter

The claims appear to be allowable; however, allowance is held in abeyance until receipt of drawing in conformance with 37 CFR 1.121(d) and amendments to the specification in conformance with 37 CFR 1.75(d)(1).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yvonne M. Horton whose telephone number is (571) 272-6845. The examiner can normally be reached on 6:30 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Naoko Slack can be reached on (571) 272-6848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yvonnel Millerton Primary Examiner Art Unit 3635

01/19/07